

Element Performance Inspection (EPI) Data Collection Tool

5.1.7 Special Navigation Areas of Operation (OP)

ELEMENT SUMMARY INFORMATION

Purpose of this Element (certificate holder's responsibility):

- To ensure continuous navigational reliability in accordance with the certificate holder's Special Navigation Areas of Operation (special use airspace) authorizations.

Objective (FAA oversight):

- To determine the effectiveness of the certificate holder's procedures in meeting the desired output of the process.
- To determine if the certificate holder follows its procedures, controls, process measurements, and interfaces for the Special Navigation Areas of Operation process.
- To determine if there were any changes in the personnel identified by the certificate holder as having responsibility and/or authority for the Special Navigation Areas of Operation process.

Specific Instructions:

- Intentionally left blank

Related EPIs:

- 3.1.13 Other Personnel with Operational Control (OP)
- 4.2.3 Training of Flight Crewmembers (OP)
- 4.3.3 Advanced Qualification Program (AQP) (OP)

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirements (SRRs):

- SRRs:
 - 119.43(b)
 - 119.43(b)(1)
 - 119.43(b)(2)
 - 119.43(c)
 - 119.49(a)(6)
 - 119.49(b)(6)
 - 121.135(a)(1)
 - 121.135(b)(2)
 - 121.135(b)(21)
 - 121.135(b)(3)
 - 121.135(b)(5)
 - 121.135(b)(6)
 - 121.135(b)(7)
 - 121.355(a)(1)
 - 121.355(a)(2)
 - 121.445(d)(1)
 - 121.445(d)(2)
 - 121.445(d)(3)
 - 121 App..G

- SRRs:
 - 91.703(a)(1)
 - 91.703(a)(2)
 - 91.703(a)(3)
 - 91.703(a)(4)
 - 91.705(a)
 - 91.705(a)(1)
 - 91.705(a)(2)
 - B.036Class II Nav., Using Multiple LRNS
 - B.037Operations in CEP Airspace
 - B.038Operations in NOPAC Airspace
 - B.039Operations in NAT/MNPS Airspace
 - B.040Operations in Areas of Magnetic Unreliability
 - B.050Authorized En Route Operations, Limitations
 - B.055North Polar Operations

Related CFRs & FAA Policy/Guidance:

- Related CFRs:
 - Intentionally left blank
- FAA Policy/Guidance:
 - FAA Order 8400.10, volume 4, chapter 1
 - FAA Order 8400.33
 - HBAT 95-09

EPI SECTION 1 - PERFORMANCE OBSERVABLES

Objective: (FAA oversight responsibility): The tasks and questions in this section of the data collection tool (DCT) are designed to assist the inspector in determining if the certificate holder follows its written procedures and controls and meets the established performance measures of the process. To accomplish this, questions have been generated to test both the outputs of the process as well as the process itself. Question 1 and its following subquestions are directed at the output(s) of the process, whereas questions 2-6, when answered, should be directed at the process itself.

Tasks

	To meet this objective, the inspector must accomplish the following tasks:
1.	Review the information listed in the Supplemental Information section of this DCT.
2.	Review the policies, procedures, instructions, and information for the Special Navigation Areas of Operation process contained in the certificate holder's manual.
3.	Review the last accomplished associated safety attribute inspection (SAI) for this element with emphasis on the controls, process measurements, and interface attribute section responses.
4.	Observe the Special Navigation Areas of Operation process to gain an understanding of the procedures, instructions, and information contained in the certificate holder's manual.
5.	Discuss the Special Navigation Areas of Operation process with the personnel (other than management) who perform the duties and responsibilities required by the process.

Questions

	To meet this objective, the inspector must answer the following questions:	
1.	Determine whether the following performance measures were met:	
1.1	<p>Were flight crewmembers who were assigned to operate within special navigation areas of operation properly qualified?</p> <p><i>Related Performance JTIs:</i></p> <ol style="list-style-type: none"> 1. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of navigation equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 2. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of approach equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 3. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of communication equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 4. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with annex 2 (Rules of the Air) to the Convention on International Civil Aviation in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(1)</i> 5. Check at the aircraft cockpit by interviewing a flight crewmember to 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<p>ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.117(c) in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(1)</p>	
6.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.127 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(1)</p>	
7.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.129 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(1)</p>	
8.	<p>Check at the aircraft cockpit by interviewing a flight crewmember and to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.131 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(1)</p>	
9.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the regulations relating to the flight and maneuver of aircraft while in a foreign country in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(2)</p>	
10.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with 14CFR Part 91.705 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(4)</p>	
11.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Reduced Vertical Separation Minimum (RVSM) airspace the operation is conducted in compliance with 14CFR Part 91.706 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.703(a)(4)</p>	
12.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with appendix C of 14CFR Part 91 in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.705(a)(1)</p>	
13.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure that he/she understands that they may not operate a civil aircraft of U.S. registry in airspace designated as Minimum Navigation Performance Specifications airspace unless the aircraft is authorized by the Administrator to perform such operation in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 91.705(a)(2)</p>	
14.	<p>Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of the en route flight operations in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 121.135(b)(5)</p>	

	<p>15. Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of navigation operations in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5)</p> <p>16. Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of en route long range communications in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5)</p> <p>17. Check at the aircraft cockpit by interviewing a flight crewmember, if any item of equipment required for the particular type of operation becomes inoperative or unserviceable to ensure he/she is knowledgeable of procedures for the continuance enroute in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5)</p> <p>18. Check at the aircraft cockpit of an air carrier conducting flag and/or domestic operations by interviewing a pilot to ensure he/she is knowledgeable of the appropriate information for each route procedure in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21)</p> <p>19. Check at the aircraft cockpit of an air carrier conducting flag and/or domestic operations by interviewing a pilot to ensure he/she is knowledgeable of the appropriate information for each airport qualification in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21)</p> <p>20. Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command between terminals over a route or area that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design : (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G. <i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p> <p>21. Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command between terminals over a route or area that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G. <i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p> <p>22. Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command between terminals that require qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the</p>	
--	---	--

	<p>Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.</p> <p><i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p>	
23.	<p>Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command between terminals over a route or area that requires qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.</p> <p><i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p>	
24.	<p>Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command over a route that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.</p> <p><i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p>	
25.	<p>Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command over a route that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.</p> <p><i>Sources:</i> 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)</p>	
26.	<p>Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is knowledgeable of the air carrier manual system procedures that if any instrument or item of equipment required under 14CFR Part 121 for the particular operation becomes inoperative en route, the pilot in command shall comply with those approved procedures for such an occurrence in accordance with the Certificate Holder's design.</p> <p><i>Sources:</i> 121.627(b)</p>	

1.2	<p>Were dispatchers who were assigned duties for special navigation areas of operation properly qualified?</p> <p><i>Related Performance JTIs:</i></p> <ol style="list-style-type: none"> 1. Check at the dispatch center by interviewing an aircraft dispatcher, if any item of equipment required for the particular type of operation becomes inoperative or unserviceable to ensure they are knowledgeable of flight dispatch procedures in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5) 2. Check at the dispatch center of an air carrier conducting flag and/or domestic operations by interviewing a dispatcher to ensure he/she is knowledgeable of the appropriate information for each airport qualification in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21) 3. Check at the dispatch center of an air carrier conducting flag and/or domestic operations by interviewing a dispatcher to ensure he/she is knowledgeable of the appropriate information for each route qualification in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21) 4. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the special navigation requirements that are applicable to the routes and areas being served as authorized in OPSS paragraph B050 (Authorized Areas Of En Route Operation, Limitations, and Procedures) in accordance with the Certificate Holder's design. <i>Sources:</i> B.050Authorized En Route Operations; Limitations 5. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the special navigation requirements that are applicable to North Polar Operations in OPSS paragraph B055 in accordance with the Certificate Holder's design. <i>Sources:</i> B.055North Polar Operations 6. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the requirements for special areas of navigation operations not specifically referenced by OPSS, e.g. Russian Metric Altitudes, to ensure those procedures meet the requirements of FAA Order 8400.10, Volume 4, Chapter 1, Section 5. in accordance with the Certificate Holder's design. <i>Sources:</i> FAA Order 8400.10, Volume 4, Chapter 1, Section 5 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.3	<p>Were flight followers who were assigned duties for special navigation areas of operation properly qualified?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.4	<p>Did aircraft used in special navigation areas of operation meet the requirements for those operations?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.5	<p>Were required flight crewmember actions accomplished before and after entering special navigation areas of operation?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.	<p>Were the certificate holder's policies, procedures, instructions, and information, contained in its manual for the Special Navigation Areas of Operation process, followed?</p> <p><i>Related Performance JTIs:</i></p> <ol style="list-style-type: none"> 1. Check at the air carrier specified location that conducts domestic operations to determine that they have obtained operations specifications 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<p>for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(a)(6)</i></p> <p>2. Check at the air carrier specified location that conducts flag operations to determine that they have obtained operations specifications for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(a)(6)</i></p> <p>3. Check at the air carrier specified location that conducts supplemental operations to determine that they have obtained operations specifications for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(b)(6)</i></p>	
3.	Were the Special Navigation Areas of Operation process controls followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
4.	Did the records for the Special Navigation Areas of Operation process comply with the instructions provided in the certificate holder's manual?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
5.	Were the process measurements for the Special Navigation Areas of Operation process effective in identifying problems or potential problems and providing corrective action for them?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
6.	Did personnel properly handle the associated interfaces by complying with other written policies, procedures, instructions, and information that are related to this element?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

EPI SECTION 1 - PERFORMANCE OBSERVABLES Drop-Down Menu	
1.	Personnel.
2.	Tools and Equipment.
3.	Technical Data.
4.	Procedures, policies or instructions or information.
5.	Materials.
6.	Facilities.
7.	Controls.
8.	Process Measures.
9.	Interfaces.
10.	Desired Outcome.
11.	Other.

EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES	
<p>Objective: The questions in this section address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified, and knowledgeable person who is responsible for the process, is answerable for the quality of the process, and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)</p>	
Tasks	
	To meet this objective, the inspector must accomplish the following tasks:
	NOTE: If no personnel or major program changes (as defined by the principal inspector (PI)) affecting the responsibility or authority attributes for this element have occurred since the last SAI and/or EPI was accomplished, then do not perform tasks 3–6, below. Answer questions 1 and 2, below, and provide the name/title.
1.	Identify the person who has overall responsibility for the Special Navigation Areas of Operation process.
2.	Identify the person who has overall authority for the Special Navigation Areas of Operation process.
3.	Review the duties and responsibilities for the person(s) who manage the Special Navigation Areas of Operation process documented in the certificate holder's manual.
4.	Review the appropriate organizational chart.
5.	Discuss the Special Navigation Areas of Operation process with the management personnel identified in tasks 1 and 2.
6.	Evaluate the qualifications and work experience of the management personnel identified in tasks 1 and 2.

Questions		
	To meet this objective, the inspector must answer the following questions:	
1.	Is there a clearly identified person who is responsible for the quality of the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title:
2.	Is there a clearly identified person who has authority to establish and modify the certificate holder's policies, procedures, instructions, and information for the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title:
3.	Does the responsible person know that he/she has responsibility for the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
4.	Does the person with authority know that he/she has authority for the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
5.	Does the person with responsibility for the Special Navigation Areas of Operation process meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
6.	Does the person with authority to establish and modify the Special Navigation Areas of Operation process meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

		<input type="checkbox"/> No Change
7	Does the person with responsibility understand the controls, process measurements, and interfaces associated with the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
8.	Does the person with authority understand the controls, process measurements, and interfaces associated with the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
9.	Does the responsible person know who has authority to establish and modify the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
10	Does the individual with authority know who has the responsibility for the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change

EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES	
Drop-Down Menu	
1.	Assignment of responsibility.
2.	Assignment of authority.
3.	Does not understand procedures, policies or instructions and information.
4.	Does not understand controls.
5.	Does not understand process measurements.
6.	Does not understand interfaces.
7.	Span of control.
8.	Position vacant.
9.	Other.